



Electronic Filing System (EFS) Data

Electronic Patent Application Submission

USPTO Use Only

EFS ID: 61917
Application ID: 09672367 

Title of Invention: A Mechanism to Secure
Computer Output From Software
Attack Using Isolated Execution

RECEIVED

JUN 08 2004

First Named Inventor: Francis McKeen

Technology Center 2100

Domestic/Foreign Application: Domestic Application

Filing Date: 2000-09-28

Effective Receipt Date: 2004-06-02

Submission Type: Information Disclosure
Statement

Filing Type:

Confirmation number: 7649

Attorney Docket Number: 42P09578

Total Fees Authorized: 180.0

Payment Category: Deposit Account

Deposit Account Number: 22666

Deposit Account Name: William W. Schaal

Access Code: ****

RAM Payment Status: RAM success

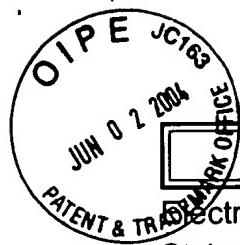
RAM User ID: EFSPROD

RAM Accounting Date: 2004-06-02

RAM Sequence Number: 15

Digital Certificate Holder: cn=William W. Schaal,ou=Registered Attorneys,ou=Patent and Trademark
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TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	A Mechanism to Secure Computer Output From Software Attack Using Isolated Execution	
Application Number:	09/672367	
Date:	2000-09-28	
First Named Applicant:	Francis McKeen	
Confirmation Number:	7649	
Attorney Docket Number:	42P09578	
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Submitted by:	Elec. Sign.	Sign. Capacity
William W. Schaal Registered Number: 39018	William W. Schaal	Attorney
Documents being submitted	Files	
us-fee-sheet	42P09578-usfees.xml us-fee-sheet.xls us-fee-sheet.dtd	
us-ids	42P09578-usidst.xml us-ids.dtd us-ids.xls	

Comments



FEE TRANSMITTAL

Electronic Version v08
Stylesheet Version v08.0

Title of Invention	A Mechanism to Secure Computer Output From Software Attack Using Isolated Execution										
Application Number:	09/672367										
Date:	2000-09-28	RECEIVED									
First Named Applicant:	Francis McKeen	JUN 08 2004									
Attorney Docket Number:	42P09578	Technology Center 2100									
Art Unit:	Unknown										
Examiner:	Unknown Unknown										
TOTAL FEE AUTHORIZED \$180											
Patent fees are subject to annual revisions on or about October 1st of each year.											
BASIC FILING FEE											
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
AUTHORIZED BILLING INFORMATION											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Deposit account number: 022666											
Access Code	*****										
Deposit name:	Blakely Sokoloff Taylor Zafman LLP										
Deposit authorized name:	William W. Schaal										
Signature:	William W. Schaal										
Date (YYYYMMDD):	2004-06-02										



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	A Mechanism to Secure Computer Output From Software Attack Using Isolated Execution
Application Number:	09/672367
Confirmation Number:	7649
First Named Applicant:	Francis McKeen
Attorney Docket Number:	42P09578
Art Unit:	Unknown
Examiner:	Unknown Unknown
Search string:	(20010021969 or 20010027511 or 20010027527 or 20010037450 or 20020147916 or 20020166061 or 20020169717 or 20030018892 or 20030074548 or 20030126453 or 20030159056 or 20030188179 or 3996449 or 4037214 or 4162536 or 4247905 or 4276594 or 4278837 or 4307447 or 4319323 or 4347565 or 4366537 or 4430709 or 4521852 or 4571672 or 4759064 or 4795893 or 4802084 or 4825052 or 4907270 or 4907272 or 4910774 or 4975836 or 5007082 or 5022077 or 5075842 or 5079737 or 5187802 or 5230069 or 5255379 or 5293424 or 5295251 or 5317705 or 5319760 or 5361375 or 5386552 or 5421006 or 5434999 or 5437033 or 5442645 or 5455909 or 5459867 or 5459869 or 5469557 or 5473692 or 5479509 or 5504922 or 5506975 or 5511217 or 5522075 or 5528231 or 5533126 or 5555385 or 5555414 or 5564040 or 5566323 or 5568552 or 5574936 or 5582717 or 5604805 or 5606617 or 5615263 or 5628022 or 5633929 or 5657445 or 5717903 or 5720609 or 5721222 or 5729760 or 5737604 or 5737760 or 5752046 or 5757919 or 5764969 or 5796835 or 5796845 or 5805712 or 5825875 or 5835594 or 5844986 or 5852717 or 5854913 or 5867577 or 5872994 or 5890189 or 5900606 or 5901225 or 5903752 or 5937063 or 5953502 or 5956408 or 5970147 or 5978475 or 5978481 or 5987557 or 6014745 or 6044478 or 6055637 or 6058478 or 6061794 or 6075938 or 6085296 or 6088262 or 6092095 or 6093213 or 6101584 or 6115816 or 6125430 or 6131166 or 6148379 or 6158546 or

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 6463537 or 6499123 or 6505279 or 6507904 or
 6535988 or 6557104 or 6633981).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	20010021969	2001-09-13	Burger, Stephen G., et al.			
	2	20010027511	2001-10-04	Wakabayashi, Masaki , et al.			
	3	20010027527	2001-10-04	Khidekel, Yuri , et al.			
	4	20010037450	2001-11-01	Metlitski, Evgueny A., et al.			
	5	20020147916	2002-10-10	Strongin, Geoffrey S., et al.			
	6	20020166061	2002-11-07	Falik, Ohad , et al.			
	7	20020169717	2002-11-14	Challener, David C.			
	8	20030018892	2003-01-23	Tello, Jose			
	9	20030074548	2003-04-17	Cromer, Daryl C., et al.			
	10	20030126453	2003-07-03	Glew, Andrew F., et al.			
	11	20030159056	2003-08-21	Cromer, Daryl C., et al.			
	12	20030188179	2003-10-02	Challener, David C., et al.			
	13	3996449	1976-12-07	Attanasio, Clement R., et al.			
	14	4037214	1997-07-09	Birney, Richard E., et al.			
	15	4162536	1979-07-24	Morley, Richard E.			
	16	4247905	1981-01-27	Yoshida, Yukihiro , et al.			
	17	4276594	1981-06-30	Morley, Richard E.			
	18	4278837	1981-07-14	Best, Robert M.			
	19	4307447	1981-12-22	Provanzano, Salvatore R., et al.			
	20	4319323	1982-03-09	Ermolovich, Thomas R., et al.			
	21	4347565	1982-08-31	Kaneda, Saburo , et al.			
	22	4366537	1982-12-28	Heller, Andrew R., et al.			

711 166

	23	4430709	1984-02-07	Schleupen, Richard , et al.
	24	4521852	1985-06-04	Guttag, Karl M.
	25	4571672	1986-02-18	Hatada, Minoru , et al.
	26	4759064	1988-07-19	Chaum, David L.
	27	4795893	1989-01-03	Ugon, Michael
	28	4802084	1989-01-31	Ikegaya, Hiroshi , et al.
	29	4825052	1989-04-25	Chemin, Francois , et al.
	30	4907270	1990-03-06	Hazard, Michel
	31	4907272	1990-03-06	Hazard, Michel
	32	4910774	1990-03-20	Barakat, Simon
	33	4975836	1990-12-04	Hirosawa, Toshio , et al.
	34	5007082	1991-04-09	Cummins, Mary T.
	35	5022077	1991-06-04	Bealkowski, Richard , et al.
	36	5075842	1991-12-24	Lai, Konrad K.
	37	5079737	1992-01-07	Hackbarth, Holden G.
	38	5187802	1993-02-16	Inoue, Taro , et al.
	39	5230069	1993-02-16	Brelsford, David P., et al.
	40	5255379	1994-03-08	Melo, Michael D.
	41	5293424	1994-03-08	Hotley, Thomas O., et al.
	42	5295251	1994-03-15	Wakui, Fujio , et al.
	43	5317705	1994-05-31	Gannon, Patrick M., et al.
	44	5319760	1994-06-07	Mason, Andrew H., et al.
	45	5361375	1994-11-01	Ogi, Yoshifumi
	46	5386552	1995-01-31	Garney, John L.
	47	5421006	1995-05-30	Jablon, David P., et al.
	48	5434999	1995-07-18	Goire, Christian , et al.
	49	5437033	1995-07-25	Inoue, Taro , et al.
	50	5442645	1995-08-15	Ugon, Michel , et al.
	51	5455909	1995-10-03	Blomgren, James S., et al.
	52	5459867	1995-10-17	Adams, Phillip M., et al.
	53	5459869	1995-10-17	Spilo, Michael L.
	54	5469557	1995-11-21	Salt, Tom , et al.
	55	5473692	1995-12-05	Davis, Derek L.
	56	5479509	1995-12-26	Ugon, Michael
	57	5504922	1996-04-02	Seki, Yukihiro , et al.
	58	5506975	1996-04-09	Onodera, Osama

711	164
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	59	5511217	1996-04-23	Nakajima, Atsushi , et al.
	60	5522075	1996-05-28	Robinson, Paul T., et al.
	61	5528231	1996-06-18	Patarin, Jacques
	62	5533126	1996-07-02	Hazard, Michel , et al.
	63	5555385	1996-09-10	Osisek, Damian L.
	64	5555414	1996-09-10	Hough, Roger E., et al.
	65	5564040	1996-10-08	Kubala, Jeffrey P.
	66	5566323	1996-10-15	Ugon, Michel
	67	5568552	1996-10-22	Davis, Derek L.
	68	5574936	1996-11-12	Ryba, Edward G., et al.
	69	5582717	1996-12-10	Di Santo, Dennis E.
	70	5604805	1997-02-18	Brands, Stefanus A.
	71	5606617	1997-02-25	Brands, Stefanus A.
	72	5615263	1997-03-25	Takahashi, Richard J.
	73	5628022	1997-05-06	Ueno, Masahiro , et al.
	74	5633929	1997-05-27	Kaliski, Jr., Burton S.
	75	5657445	1997-08-12	Pearce, John J.
	76	5717903	1998-02-10	Bonola, Thomas J.
	77	5720609	1998-02-24	Pfefferle, William C.
	78	5721222	1998-02-24	Bernstein, Peter R., et al.
	79	5729760	1998-03-17	Poisner, David I.
	80	5737604	1998-04-07	Miller, David A., et al.
	81	5737760	1998-08-07	Grimmer, Jr., George G., et al.
	82	5752046	1998-05-12	Oprescu, Florin , et al.
	83	5757919	1998-05-26	Herbert, Howard C., et al.
	84	5764969	1998-06-09	Kahle, James A.
	85	5796835	1998-08-18	Saada, Charles
	86	5796845	1998-08-18	Serikawa, Mitsuhiro , et al.
	87	5805712	1998-09-08	Davis, Derek L.
	88	5825875	1998-10-20	Ugon, Michel
	89	5835594	1998-11-10	Albrecht, Mark , et al.
	90	5844986	1998-12-01	Davis, Derek L.
	91	5852717	1998-12-22	Bhide, Chandrashekhar W., et al.
	92	5854913	1998-12-29	Goetz, John W., et al.
	93	5867577	1999-02-02	Patarin, Jacques
	94	5872994	1999-02-16	Akiyama, Shin-Ichiro , et al.

711 163

	95	5890189	1999-03-30	Nozue, Hiroshi , et al.
	96	5900606	1999-05-04	Rigal, Vincent
	97	5901225	1999-05-04	Ireton, Mark A., et al.
	98	5903752	1999-05-11	Dingwall, Thomas J., et al.
	99	5937063	1999-08-10	Davis, Derek L.
	100	5953502	1999-09-14	Helbig, Sr., Walter A.
	101	5956408	1999-09-21	Arnold, Todd W.
	102	5970147	1999-10-19	Davis, Derek L., et al.
	103	5978475	1999-11-02	Schneier, Bruce , et al.
	104	5978481	1999-11-02	Ganesan, Ramanan V., et al.
	105	5987557	1999-11-16	Ebrahim, Zahir
	106	6014745	2000-01-11	Ashe, Vincent
	107	6044478	2000-03-28	Green, Daniel W.
	108	6055637	2000-04-25	Hudson, Jerome D., et al.
	109	6058478	2000-05-02	Davis, Derek L.
	110	6061794	2000-05-09	Angelo, Michael E.
	111	6075938	2000-06-13	Bugnion, Edouard , et al.
	112	6085296	2000-07-04	Karkhanis, Nitin Y., et al.
	113	6088262	2000-07-11	Nasu, Hiroaki
	114	6092095	2000-07-18	Maytal, Benjamin
	115	6093213	2000-07-25	Favor, John G., et al.
	116	6101584	2000-08-08	Satou, Mitsugu , et al.
	117	6115816	2000-09-05	Davis, Derek L.
	118	6125430	2000-09-26	Noel, Karen L., et al.
	119	6131166	2000-10-10	Wong-Isley, Becky
	120	6148379	2000-11-14	Schimmel, Curt F.
	121	6158546	2000-12-12	Hanson, Roger D., et al.
	122	6173417	2001-01-09	Merrill, John W.
	123	6175924	2001-01-16	Arnold, Todd W.
	124	6175925	2001-01-16	Nardone, Joseph M., et al.
	125	6178509	2001-01-23	Nardone, Joseph M.
	126	6182089	2001-01-30	Ganapathy, Narayanan , et al.
	127	6188257	2001-02-13	Buer, Mark L.
	128	6192455	2001-02-20	Bogin, Zohar , et al.
	129	6205550	2001-03-20	Nardone, Joseph M., et al.
	130	6212635	2001-04-03	Reardon, David C.

131	6222923	2001-04-24	Schwenk, Joerg		
132	6249872	2001-06-19	Wildgrube, Frank L., et al.	713	200
133	6252650	2001-06-26	Nakaumra, Kouji		
134	6269392	2001-07-31	Cotichini, Christian , et al.		
135	6272533	2001-08-07	Browne, Hendrik A., et al.	709	213
136	6272637	2001-08-07	Little, Wendell L., et al.	713	194
137	6275933	2001-08-14	Fine, Michael , et al.		
138	6282650	2001-08-28	Davis, Derek L.		
139	6282651	2001-08-28	Ashe, Vincent		
140	6282657	2001-08-28	Kaplan, Michael M., et al.		
141	6292874	2001-09-18	Barnett, Philip C.	711	153
142	6301646	2001-10-09	Hostetter, Matthew J.		
143	6308270	2001-10-23	Guthery, Scott B., et al.		
144	6314409	2001-11-06	Schneck, Paul B., et al.		
145	6321314	2001-11-20	Van Dyke, Korbin S.		
146	6330670	2001-12-11	England, Paul , et al.		
147	6339815	2002-01-15	Feng, Eugene		
148	6339816	2002-01-12	Bausch, Jean		
149	6357004	2002-03-12	Davis, Derek L.		
150	6363485	2002-03-26	Adams, Carlisle		
151	6374286	2002-04-16	Gee, John K., et al.		
152	6374317	2002-04-16	Ajanovic, Jasmin , et al.	710	105
153	6378068	2002-04-23	Foster, Mark J.		
154	6378072	2002-04-23	Collins, Thomas , et al.		
155	6389537	2002-05-14	Davis, Derek L., et al.		
156	6397242	2002-05-28	Devine, Scott W., et al.		
157	6412035	2002-06-25	Webber, Victor		
158	6421702	2002-07-16	Gulick, Dale E.		
159	6435416	2002-08-20	Slassi, Tarik		
160	6445797	2002-09-03	McGough, Paul , et al.		
161	6463535	2002-10-08	Drews, Paul C., et al.		
162	6463537	2002-10-08	Tello, Jose A.		
163	6499123	2002-12-24	McFarland, Harold L., et al.		
164	6505279	2003-01-07	Phillips, Gary , et al.		
165	6507904	2003-01-14	Ellison, Carl M., et al.		
166	6535988	2003-03-18	Poisner, David L.		

	167	6557104	2003-04-29	Vu, Son T., et al.
	168	6633981	2003-10-14	Davis, Derek L.

Signature

Examiner Name	Date